

IIT BHU

Library Trainee interview sheet 2024



Saket Sharma

Interview Preparation Sheet: IIT (BHU) Library Trainee

about IIT (BHU) in an Excel table format:

Category	Details
Institute Name	Indian Institute of Technology (Banaras Hindu University) Varanasi (IIT-BHU)
Location	Varanasi, Uttar Pradesh, India
Founded	1919 as Banaras Engineering College, became IIT in 2012
Departments	16 departments, 3 inter-disciplinary schools, Humanities & Social Sciences Section
Campus	Inside Banaras Hindu University campus
Historical Names	Banaras Engineering College (BENCO), College of Mining and Metallurgy (MINMET), College of Technology (TECHNO), Institute of Technology, Banaras Hindu University (IT-BHU)
First Convocation	2 December 1920
Founder	Pt. Madan Mohan Malaviya
Major Departments Established	Mechanical Engineering, Electrical Engineering, Metallurgical Engineering, Mining Engineering, Pharmaceutics
Department of Geology Start Year	1920
Industrial Chemistry Start Year	July 1921
Conversion to IIT	Formalized in 2012 by The Institutes of Technology (Amendment) Act, 2011
MHRD Committees Report	2003, Professors Joshi and Anand Krishnan Committees recommended conversion to IIT status
IIT Status Formalization	Bill passed in Lok Sabha in 2011, Rajya Sabha in 2012
Architecture Department Established	2019, in collaboration with IIT Roorkee
Centenary Year	2019–2020, celebrated with global alumni meet and events, re-erection of BENCO chimney

IIT (BHU) rankings, alumni, and departments in an Excel table format:

Category	Details
QS World Rankings (2025)	531
QS Asia Rankings (2024)	271-280
NIRF (Overall) (2024)	30
NIRF (Engineering) (2024)	10
International Rank (IIT (BHU))	531 in QS World, 12th in India
India Rank (Engineering)	10th by NIRF (2024)
India Rank (Overall)	30th by NIRF (2024)
Alumni	
Notable Alumni	Deepak Ahuja, Former CFO at Tesla, Inc., Krishan Kant, Former Vice-President of India, Manoj Sinha, 2nd Lieutenant Governor of Jammu and

	Kashmir, Jay Chaudhry (CEO of ZScaler), Varun Grover (National Film Award-winning Lyricist), Thomas Anantharaman (IBM Deep Blue), Kota Harinarayana (Padma Shri awardee), Nikesh Arora (CEO of Palo Alto Networks), Ram Charan (Management Consultant), A B Pandit (Vice Chancellor, Institute of Chemical Technology), Nikku Madhusudhan (Professor at University of Cambridge)
Alumni Organizations	IIT BHU Global Alumni Association (IBGAA), Association of IITBHU Alumni (AIBA)
Departments	
Engineering Departments	Architecture, Planning and Design, Ceramic Engineering, Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Electronics Engineering, Mechanical Engineering, Metallurgical Engineering, Mining Engineering, Pharmaceutical Engineering & Technology, Biochemical Engineering, Biomedical Engineering, Materials Science and Technology
Schools	Naresh C Jain School of Decision Sciences and Engineering
Science Departments	Chemistry, Physics, Mathematical Sciences
Humanities Department	Department of Humanistic Studies (Courses in English, History, Philosophy, Linguistics, Sociology)

About Library

Current Collection

Collection Type	Count (as of 31st March 2024)
Books (Reference, General)	93,849
Textbook Bank	24,763
SC/ST Book Bank	8,740
Bound volume of periodicals	17,925
Dissertation	1,018
Thesis	1,269
Compact Disc	17,224

Library Name and Location:

- Shreenivas Deshpande Library
- Indian Institute of Technology (Banaras Hindu University), Varanasi

Deputy Librarian:

- Dr. Navin Upadhyay

Note: IIT BHU is using the LIBSYS LS Discovery for the Library Management

Key Features of LSDiscovery and LIBSYS 10Plus

- i) One Search Interface:
Enables comprehensive searches across journals, e-books, videos, and library collections with refined search filters and access to full-text articles.
- ii) Remote Access:
Provides global access to resources anytime and anywhere.
- iii) Electronic Resource Management (ERMS):
Manages e-journal acquisitions and renewals, with usage statistics and graphical representation.
- iv) Advanced Search:
Supports complex search strategies using logical operators and filters.
- v) Enhanced User Interface:
Displays library circulars, timings, and personalized features like new arrivals, fine payments, and recommendations. Accessible on mobile devices.
- vi) Efficient Resource Utilization:
Monitors publisher support and journal usage for optimal resource management.
- vii) Auto-Updated Search Indices: Automatically updates with new citations and resources from publishers.

Watch these videos for LIBSYS

1. <https://www.youtube.com/watch?v=1rS2qa62D3E>
2. <https://www.youtube.com/watch?v=XISmSI0naRo>
3. https://youtube.com/playlist?list=PLyAycDF_0Eg6qSSio5dVhduKisBX58-sk&si=XVRDJ5FY8Firh-6m
4. <https://youtu.be/2TSs-AuOCkw?si=5J25advWTxagR7s>

They are using Grammarly so look into this

Question	Answer
What is Grammarly?	Grammarly is a writing assistant tool that checks spelling, grammar, tone, identifies plagiarism, and offers style and tonal suggestions. It also has generative AI capabilities that can generate, and rewrite content based on prompts.
When was Grammarly founded, and by whom?	Grammarly was founded in 2009 by Max Lytvyn, Alex Shevchenko, and Dmytro Lider in Ukraine.
What was Grammarly's initial purpose?	Initially, Grammarly was developed to help students improve their grammar and spelling.
What key feature did Grammarly introduce in 2019?	In 2019, Grammarly introduced a tone detector that helps users adjust the tone of their writing to better suit the intended audience.
What AI technology did Grammarly incorporate in 2023?	In 2023, Grammarly incorporated generative AI built on GPT-3 to generate, rewrite content, and create topic ideas and outlines for written content like blog posts and academic essays.
What is Grammarly's Authorship Tool, introduced in 2024?	The Authorship Tool helps identify the original source of a passage of text and determines whether it was written by the author, copied from another source, or generated by AI.
Where is Grammarly headquartered?	Grammarly is headquartered in San Francisco and has offices in Kyiv, New York, and Vancouver.

They are using Turnitin so look into this

Category	Details
Company Name	Turnitin, LLC (stylized as turnitin)
Founded	1998
Parent Company	Advance Publications
Chief Executive Officer	Chris Caren
Service Type	Internet-based similarity detection service (SaaS)
Target Users	Universities, high schools, newspaper editors, book and magazine publishers
Main Functionality	Checks submitted documents for plagiarism by comparing them against a large database of academic content and the public internet.
Key Services	<ul style="list-style-type: none"> - Plagiarism detection - GradeMark (online grading) - PeerMark (student peer-review)
Website	plagiarism.org
Supported by	JISC (UK) as 'Plagiarism Detection Service Turnitin UK'
Acquisition	Acquired by Advance Publications for US\$1.75 billion in March 2019
Recent Acquisition	Acquired Ouriginal in 2021 (merger of Urkund and PlagScan)
AI Content Detection	Released in 2023 to detect AI-generated content (e.g., ChatGPT), though its accuracy is debated.
Student-Paper Database	Includes student essays, publicly accessible internet content, and commercial/copyrighted content.
Classroom Integration	Integrates with platforms like Blackboard, Moodle, ANGEL, and others. Teachers can submit papers individually or in bulk.

Watch this video to use Turnitin

1. <https://www.youtube.com/watch?v=h9YUXUkWEdo>
2. https://www.youtube.com/watch?v=4mFoCYC_mY4

DrillBit Plagiarism Detection software

Aspect	Details
Software Name	DrillBit Plagiarism Detection Software
Developer	DrillBit SoftTech India Pvt Ltd.
Company Location	Bangalore, India
Year Founded	2016
Product Type	Cloud-based Plagiarism Detection Software
Target Audience	Students, Researchers, Faculties/Professors/Teachers
Technology Used	AI and ML technology, Proprietary AI-based matching algorithm
Functionality	Detects similarities, manipulations, and text formatting irregularities
Compliance	ISO 27001:2013, SOC 2 Type II, GDPR
Recognition	Evaluated by AICTE technical expert committee, selected for empanelment with AICTE NEAT 3.0
Key Event	MoU signing ceremony with AICTE, NAAC, and other dignitaries on 29th July 2023 at Pragati Maidan, New Delhi
AICTE NEAT Product	Updated on AICTE NEAT website, communicated to all AICTE institutions
Additional Information	DrillBit is designed to assist in detecting plagiarism in various academic materials like books, research articles, theses, etc.

Watch this video how to use Drill bit

3. <https://www.youtube.com/watch?v=rKmY-QmpLkY>
4. <https://www.youtube.com/watch?v=WDupsADj5cA>

Purchased E books by IIT BHU

Publisher	Description
ASM Handbook Online	Features the complete content of twenty-eight ASM Handbook volumes, several ASM Handbook supplements, and two ASM Desk Editions.
Begell House	Series in Thermal & Fluid Physics & Engineering.
Bloomsbury Architecture Library	A leading digital resource for the study of architecture, urbanism, and interior design, offering access to a wide range of collections.
CBS - Architecture Planning and Design	Access to 10 selected textbooks on architecture, planning, and design.
Elsevier	Access to 143 selected titles across various subjects.
McGraw-Hill	Access to 22 selected titles (Text & Reference books).
Royal Society of Chemistry	Access to all RSC titles published until 2016.
Springer	Access to 23 selected titles (Text & Reference books).
Taylor & Francis	Access to 307 selected titles across various disciplines.
Wiley Online	Access to 308 selected titles.
South Asia Archive	Access login through the National Digital Library (NDL).
World eBook Library	Access login through the National Digital Library (NDL).

Purchased e-Databases including their descriptions

Publisher	Database Titles/Description
Begell House	1. The Catalog of Worldwide Nuclear Testing - Online 2. THERMOPEDIA TM 3. Directory of Specialists
DELNET Database	Provides access to millions of networked library resources (Full-text e-journals, e-books, Thesis/Dissertations, Inter-library loans, etc.)
MathSciNet	Offers access to a database of reviews, abstracts, and bibliographic information for mathematical sciences literature, with over 80,000 new items added each year.
PressReader	Digital newspaper distribution service providing access to 3,500+ magazines and newspapers with no download limits. Seamless access to worldwide content.
SciFinder Scholar	Provides bibliographic and patent information from Chemical Abstracts Service (CAS) from 1907 to present. Available 24/7.
Scopus	Launched in November 2004, Scopus is the largest abstract and citation database.
Springer Materials	Provides curated data and advanced functionalities for research in materials science, physics, chemistry, engineering, and related fields. Includes data visualization and phase diagrams.
Landolt-Börnstein series	Comprehensive database covering multiple material classes and property types, providing enhanced data visualization features for analysis, including crystal structures and phase diagrams.
Web of Science	Leading citation database with authoritative, multidisciplinary coverage of over 12,000 high-impact research journals. Includes archives from 1965 onwards.

e-Journal list purchased by IIT BHU

Name of Publisher/Journal	Remarks
ACM Digital Library	The ACM Digital Library includes all of ACM's publications, including journals, conference proceedings, and multimedia titles. Subscriptions for 2024 are Read-and-

	Publish model with no individual APCs for corresponding authors affiliated with ACM. More info
Actapress	International Journal of Power and Energy Systems
American Concrete Institute	Journals: Materials, Structural, Concrete International & Symposium Volume, ACI MCP, Materials Journals, ACI Structural Journal, ACI Concrete International, ACI Symposium Volumes
American Chemical Society	Access to 49 journals with a legacy archive for universities.
American Institute of Physics	Access 19 full-text journals in physics. Backfiles access: 1997+
American Mathematical Society	Access 15 online journals in mathematics, including 6 open access journals. Backfiles access: 1999 onwards
American Physical Society	Access to 13 leading peer-reviewed research journals, including Physical Review Letters and Reviews of Modern Physics. All backfiles included.
American Society of Civil Engineers (ASCE)	33 journals covering civil engineering. Over 170,000 bibliographic records since 1970.
American Society of Mechanical Engineers (ASME)	Access to thousands of titles, including journals, conference proceedings, and ASME Press books.
ASTM Journals	Full package of ASTM journals.
Begell House (Engineering Research Collection)	29 e-journals, 3 databases, 3 reference titles, 1 e-book, and 2 proceedings titles.
Bentham Science	Access to scientific, technical, and medical journals and e-books from 2012 to 2021.
Bloomsbury Architecture Library	Access to digital content for architecture, urbanism, and interior design, covering history and design guidance.
Canadian Science Publishing	Canadian Journal of Civil Engineering. Backfiles access: 1996 onward
Cambridge University Press	Journal of Fluid Mechanics. Backfiles access: 2000 onwards
CIM Magazine	For minerals industry professionals.
De Gruyter	Includes International Journal of Nonlinear Sciences and Numerical Simulation and Functional calculus and Applied Analysis.
Economic and Political Weekly	An Indian journal known for independent scholarship and critical inquiry.
Electrochemical Society	Access to 13 titles.
Emerald Engineering Collection	Includes management databases and peer-reviewed international research. Backfiles access: 1994 onwards
Foundry Trade Journal	Focuses on foundry trade topics.
IEEE - IEEE/IET Electronic Library (IEL)	Access to more than four million full-text documents in electrical engineering, computer science, and electronics.
Inderscience	International Journal of Exergy and International Journal of Nanomanufacturing (Backfiles from 2017 onward).
Indian Geotechnical Society	Indian Geotechnical Journal.
Informa Healthcare	Includes Drug Development and Industrial Pharmacy, Pharmaceutical Biology, and Expert Opinion on Drug Delivery.
Informa PubsOnLine	Access to all 16 journals.
Institute of Materials, Minerals and Mining	Advances in Applied Ceramics: Structural, Functional and Bioceramics.
IOP Science	76 full-text journals in physics. Backfiles access: 10 years rolling back.
JoVE Complete	Over 18,000 videos for scientific research and education, covering laboratory methods and science concepts.

JSTOR	Provides access to more than 2500 journals and primary content. Collections include Art & Sciences I–XII, Life Sciences, Ireland, Ecology & Botany II, and more.
Microwave Journals	Focuses on microwave technology.
NACE International	Covers corrosion topics.
Nature	Renowned multidisciplinary science journal.
PNAS (Proceedings of the National Academy of Sciences)	One of the world's most-cited scientific journals, publishing research papers in biological, physical, and social sciences.
Project MUSE	Access to essential humanities and social science journals. Over 733+ journals.
Royal Society of Chemistry	Provides access to 51 full-text journals and magazines, excluding archives. Backfiles access: 2008.
SAGE	Includes SAGE's Urban Studies & Planning Collection, and the IMechE Collection. Over 1000 journals spanning multiple disciplines.
ScienceDirect	Access to 1233 titles across 9 subject collections, including chemistry, computer science, engineering, and more.
Science Online	Focused on Science Magazine.
SIAM	Publishes 17 peer-reviewed journals in applied and industrial mathematics. Backfiles access: 1997 onwards.
SPIE Digital Library	Journal of Applied Remote Sensing.
Springer	Access to 1700 titles across multiple disciplines.
Springer Nature	Various journals and resources available.
Taylor & Francis	Access to subscribed titles in various disciplines.
The Indian Institute of Architects (IIA)	Represents architects in India, with publications related to architecture and building industry.
The Optical Society of America	Access to flagship, partnered, and co-published journals, including Optics & Photonics News. Backfiles access: Vol 1, Issue 1.
Wiley Online Library	Access to subscribed titles across various disciplines.

e-Standards subscribed by IIT BHU

Name of Publisher/Standard	Remarks
ACI MCP (User ID based)	The American Concrete Institute (ACI) is a leading authority and resource worldwide for the development and distribution of consensus-based standards. After sign-in, the link can be clicked to access ACI standards.
ASTM Standards	ASTM International (ASTM), originally known as the American Society for Testing and Materials, is one of the largest voluntary standards development organizations in the world.
Indian Standards (BIS)	The Bureau of Indian Standards (BIS) is the National Standards Body of India working under the Ministry of Consumer Affairs, Food & Public Distribution, Government of India.

E newspaper and periodicals subscribed by IIT BHU

Category	Details
Online Access	The Library has access to PressReader to access 3500+ digital Newspaper & Magazines. Click on the link to access.
PressReader	Unlimited Global News, Digital Newspaper & Magazine.

CIM Magazine	The Canadian Institute of Mining, Metallurgy and Petroleum (CIM) is an association for minerals industry professionals.
English Magazines	Employment News, Sport Star, Outlook, India Today, Mainstream, Business Today, Business World, Front Line, Pratiyogita Darpan, Yojana, Competition Success Review, The Week, Science Reporter, Reader's Digest, Civil Services Chronicle, Civil Services Times, Kurukshetra, Economists.

EndNote subscribed by IIT BHU

Category	Details
Overview	EndNote is a commercial reference management software used to manage bibliographies and references for writing essays, reports, and articles. It was launched in 1989 by Niles & Associates and has changed ownership several times.
Ownership History	EndNote was acquired by the Institute for Scientific Information's ResearchSoft Division in 2000, then by Thomson Corporation, and in 2016 by Clarivate.
Competitors	Mendeley, Zotero
Integration with Word	EndNote integrates with Microsoft Word and OpenOffice.org Writer, providing the "Cite While You Write" feature.
EndNote Web	EndNote Web is a web-based version offering integration with the ISI Web of Knowledge.
History of Versions	<ul style="list-style-type: none"> - Version 1 (1989): Released for Apple Macintosh. - Version 2.1 (1995): Available for Windows. - Version 4.0 (2000): Attained most current functionality. - Increased database size limits over time. - 1992: Four competitors (ProCite, Reference Manager, Papyrus, Bibilostax) and later Mendeley and Zotero.

Watch these videos for Endnote:

5. <https://www.youtube.com/watch?v=XpqGuIJbP2I>
6. <https://www.youtube.com/watch?v=wg613wuctoM>

They are using the DDC for the Book Classification so accordingly read the DDC Numbers related to the Subjects of the IIT BHU Courses

Technical Processing Section

Category	Details
Major Activities	<ul style="list-style-type: none"> - Assigning call numbers for books using the Colon Classification scheme (now Dewey Decimal Classification) and creating the authority file. - Pasting spine and date labels on the books, noting the call number and copy number on the spine label, and accession number on the date label. - Preparing catalogue cards for the shelf list and catalogue. - Displaying processed books monthly after completing the processing. - Filing new catalogue cards in the catalogue cabinet. - Retro-conversion of book database, assigning DDC numbers to books classified according to CC.

**Circulation Section, Library Administration & Office, Stack Maintenance Section, Periodical and Thesis Section,
and e-Library:**

Category	Details
Acquisition Section	<ul style="list-style-type: none"> - Receiving suggestions for procurement of documents from departments/schools. - Duplicate checking and placing orders with registered vendors. - Accessing various publications (Books, Audio, Videocassettes, CDs, Pamphlets, etc.). - Passing the bill for payment. - Sending procured publications to the processing section for technical processing. - Maintenance of files and records for all types of document purchases. - Attending to queries related to the purchase of publications.
Contact	[Insert Contact Details]
Circulation Section	<ul style="list-style-type: none"> - Enrollment of Students (B.Tech./B.Pharm., IDD/IMD, M.Tech./M.Pharm. & PhD), faculty, and staff members. - Issue of No dues certificate. - Issue / Return of Books, etc. - Collection of overdue charges. - Reservation of books. - Loss of book / Replacement of books. - Preparation of defaulter list. - General inquiries.
Library Administration & Office	<ul style="list-style-type: none"> - Library office activities. - Personnel of Administration. - Store affairs. - Duty chart preparation. - Provide administrative support to the librarian. - Procurement of materials other than documents. - Sending replies to letters. - Overall maintenance of the library.
Stack Maintenance Section	<ul style="list-style-type: none"> - Shelving of books. - Tracing of untraced publications. - Repairing of books. - Assisting the user in tracing publications. - Conducting stock verification. - Maintaining separate section for SC/ST Book Bank and Text Book Bank.
Periodical and Thesis Section	<ul style="list-style-type: none"> - Inviting invoices from publishers/Indian agents and processing payments. - Tracking the supply position of journals. - Registration and display of journals on periodical display racks. - Sending reminders for non-receipt of journals. - Arranging the binding of old issues. - Shelving and maintenance of bound volumes of journals. - Accessing and classifying bound volumes of journals.
e-Library	<ul style="list-style-type: none"> - Provides a facility through fifty desktop computers for accessing subscribed e-resources like journals, databases, standards, patents, e-books, audiovisual materials, etc. - Users can also use this section for teaching, reading, and research purposes, including

	preparation of presentations, software testing, online interviews, and online tests. - Meeting room available for academic purposes (with written permission).
e-Library Access Rules	- Enter your name and sign in the register before entering e-library. - Identity card is compulsory for access. - Computers should be used only for educational purposes. - Do not install/uninstall any software. - Report any malfunctioning computer to the office. - Systematic downloading, distributing, or retaining substantial portions is not allowed. - No forwarding of electronic articles for commercial purposes. - Do not download entire journal issues, databases, or e-books. - Silence must be maintained. - No personal belongings or mobile phones are allowed. - No refreshments allowed in the library.

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1. Linked in :<https://www.linkedin.com/in/saket-sharma-3362b7b5>
2. Whatsapp channel: <https://chat.whatsapp.com/FIEbONsoVhh1YJsh5QXpi5>
3. Website:sites.google.com/view/saketsharma